

DATA SHEET

INFRARED DIODE LASER AT 808nm

Infrared diode laser module at 808nm is made features of ultra-compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.

Wavelength (nm)	808 ± 3nm	
Output power (mW)	>10, 20, 30, ..., 100	
Transverse mode	Near TEM ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<5	
Beam divergence, full angle (mrad)	<1.0	
Dimensions of beam at the aperture (mm)	~4.0	
Beam height from base plate (mm)	24.8	
Polarization ratio	>50:1	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC or 5VDC)	PSU-III-FDA	PSU-III-LED
Modulation	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Expected lifetime (hours)	10,000	
Warranty period	1 year	



MDL-III-808	MDL-III-808 Dimensions	PSU-III-FDA	PSU-III-LED
	<p>143.5(L) × 73(W) × 46.2(H) mm³, 0.7kg</p>	<p>171(L) × 130(W) × 62.2(H) mm³, 1.2kg</p>	<p>188.6(L) × 155(W) × 92(H) mm³, 1.5 kg</p>

